

1090 King Georges Post Rd., Suite 201, Edison, NJ 08837 201-225-6116

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-WO-0036

TAT-02-F-06524

MEMORANDUM

TO: Nick Magriples, EPA OSC

FROM: Victor Vicenty, TAT PM *W/for MM*
Michael Mentzel, TAT QC

DATE: November 25, 1991

SUBJECT: Bayonne Barrel and Drum Assessment and Sampling Trip
Report
US Highway 1 and Raymond Boulevard
Newark, Essex County, New Jersey

This memorandum summarizes the site assessment and sampling activities performed on November 7, 13 and 19, 1991, at the aforementioned site. Figure 1 shows the approximate location of the site.

On November 7, 1991, EPA and TAT arrived at the site to assess the structural integrity of tank ladders that lead to the top of three above ground steel storage tanks. This was done to consider the use of this ladders to access the top of the tanks and collect samples. Figure 2 show the approximate location of the tanks within the facility. The findings were as follow:

<u>Tank 1:</u>	<u>Tank 2:</u>	<u>Tank 3:</u>
- 54 feet high	- 23 feet high	- 26 feet high
- 12 foot diameter	- 11 foot diameter	- 8 foot diameter
- Caged ladder good condition	- no cage good condition	- no cage good condition
- Rail on top no platform	- partial top rail no platform	- no top rail or platform
- 3 feet opening on top	- 2 inch opening on top	- 4 inch opening on top

On November 13, 1991, EPA and TAT mobilized to the site to conduct air monitoring and perform haz-cattng on selected liquid samples from tanks. In addition, the drum yard was surveyed to look for drums that could potentially contain product.

Roy F. Weston, Inc.

MAJOR PROGRAMS DIVISION

In Association with Foster Wheeler Enviroresponse, Inc., Resource Applications, Inc., C.C. Johnson & Malhotra, P.C.,
R.E. Sarriera Associates, and GRB Environmental Services, Inc.

EPA and TAT performed a Level "C" assessment of the drum yard with an HNU/PID (10.2 eV probe), OVA/FID, CGI meter and radiation meter. No readings above background conditions were observed. An air monitoring log is presented as Appendix A. Additionally, EPA and TAT observed that approximately 8 to 12 drums at the drum yard partially contained material.

EPA and TAT only obtained a sample from Tank No 2, which contained about 12 foot of product. Tanks 1 and 3 were empty. TAT kept constant air monitoring during the sampling operation. A reading of 1-2 ppm was recorded with the OVA/FID at about 1 inch above the liquid level in the oil separator trench. The sample jar (4 oz.) was cleaned and delivered to the TAT Haz-catting team. The sample was then haz-catted on-site in order to determine hazardous characteristics. The hazcatting results reflect that the material is a combustible liquid. A summary of the haz-catting results is presented as Appendix B.

On November 19, 1991, EPA and TAT mobilized to the site to conduct air monitoring and collect soil samples from the incinerator building and adjacent areas. The approximate location of the incinerator building within the facility is shown in Figure 3.

TAT performed a Level "B" initial entry and air monitoring with an HNU/PID (10.2 eV probe), OVA/FID, CGI meter and radiation meter. No readings above background conditions were observed. An air monitoring log is presented as Appendix C. TAT also observed approximately 350 drums inside this building containing product.

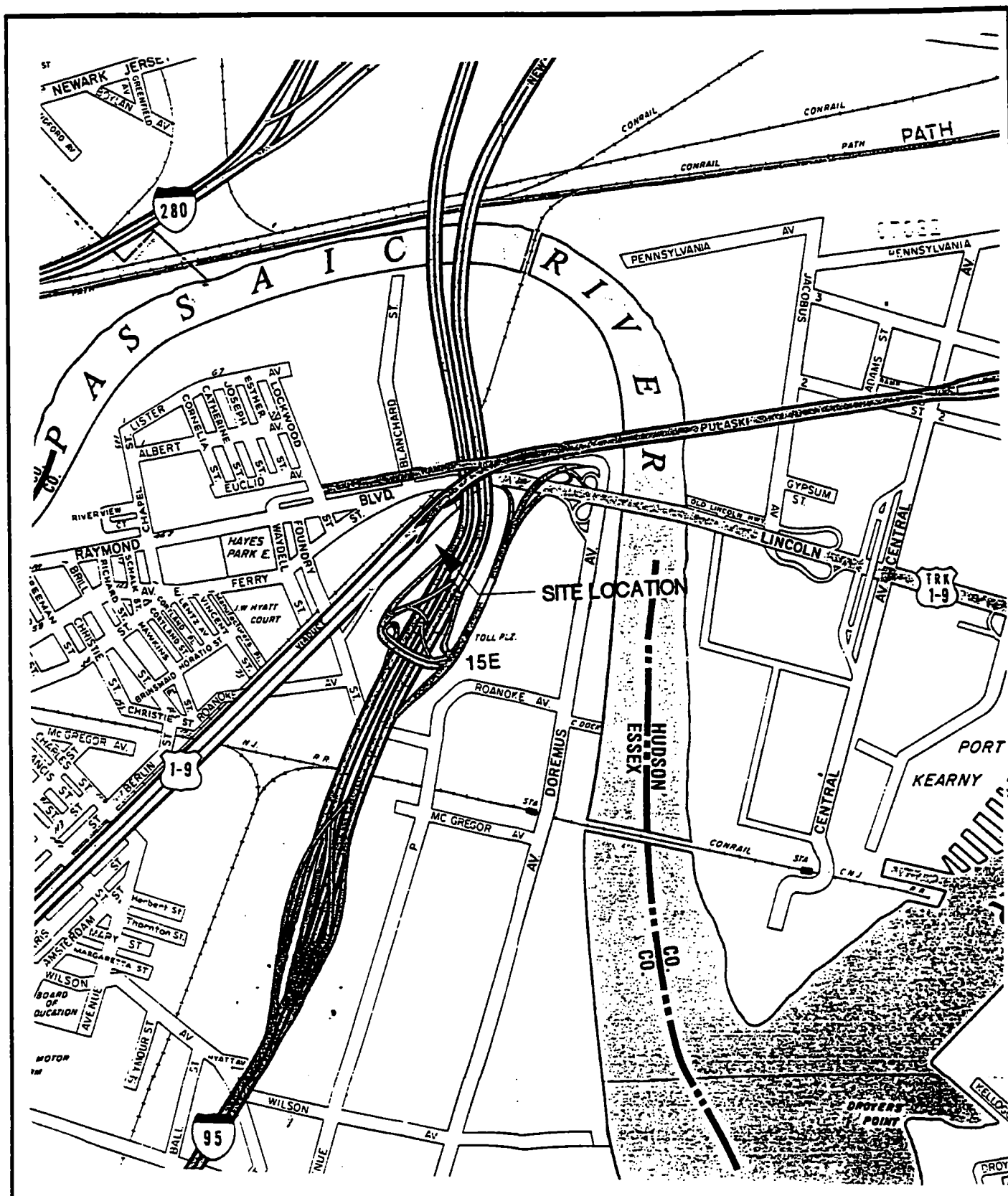
A total of 2 soil samples and a duplicate were collected and shipped to Southwest Research Institute (SRI) in San Antonio, Tx., for Dioxin and Furans analyses. The soil samples were labeled BD-01, BD-02 and BD-04. A summarised description of these soil samples is provided below:

Sample BD-01 is a composite sample collected from an ash pile inside the incinerator building. This sample was composited from 4 grabs collected at various randomly chosen surface locations and 4 sub-surface grabs (8"-10" deep) collected from randomly chosen locations.

Sample BD-02 is a duplicate of sample BD-01.

Sample BD-04 is a composite of 10 grabs collected from randomly chosen locations west of the incinerator building. Figure 3 shows the approximate location of this area.

A copy of the Chain of Custody Record and copy of the Federal Express bill are included as Appendix D and Appendix E respectively. A summary of the sampling event shipment is presented in Table 1 below.



Roy F. Weston, Inc.
MAJOR PROGRAMS DIVISION

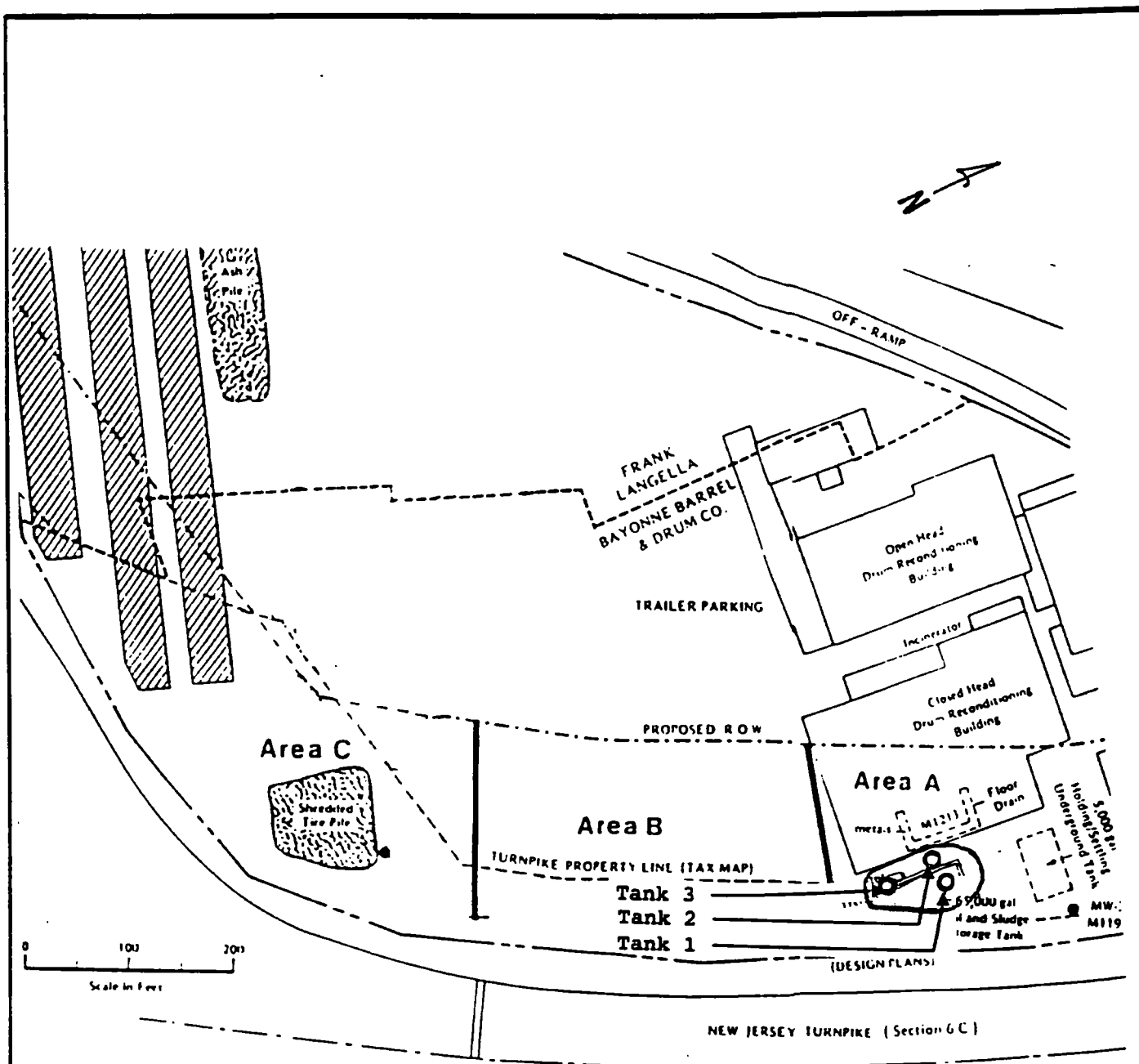
IN ASSOCIATION WITH FOSTER WHEELER CORP.,
 C.C JOHNSON & MALHOTRA, P.C., RESOURCE
 APPLICATIONS, INC. AND R.E. SARRIERA ASSOCIATES

EPA PM
 N. Magriples

Site Locator

TAT PM
 V. Vicenty

Figure 1



Roy F. Weston, Inc.
MAJOR PROGRAMS DIVISION

EPA PM

N. Magriples

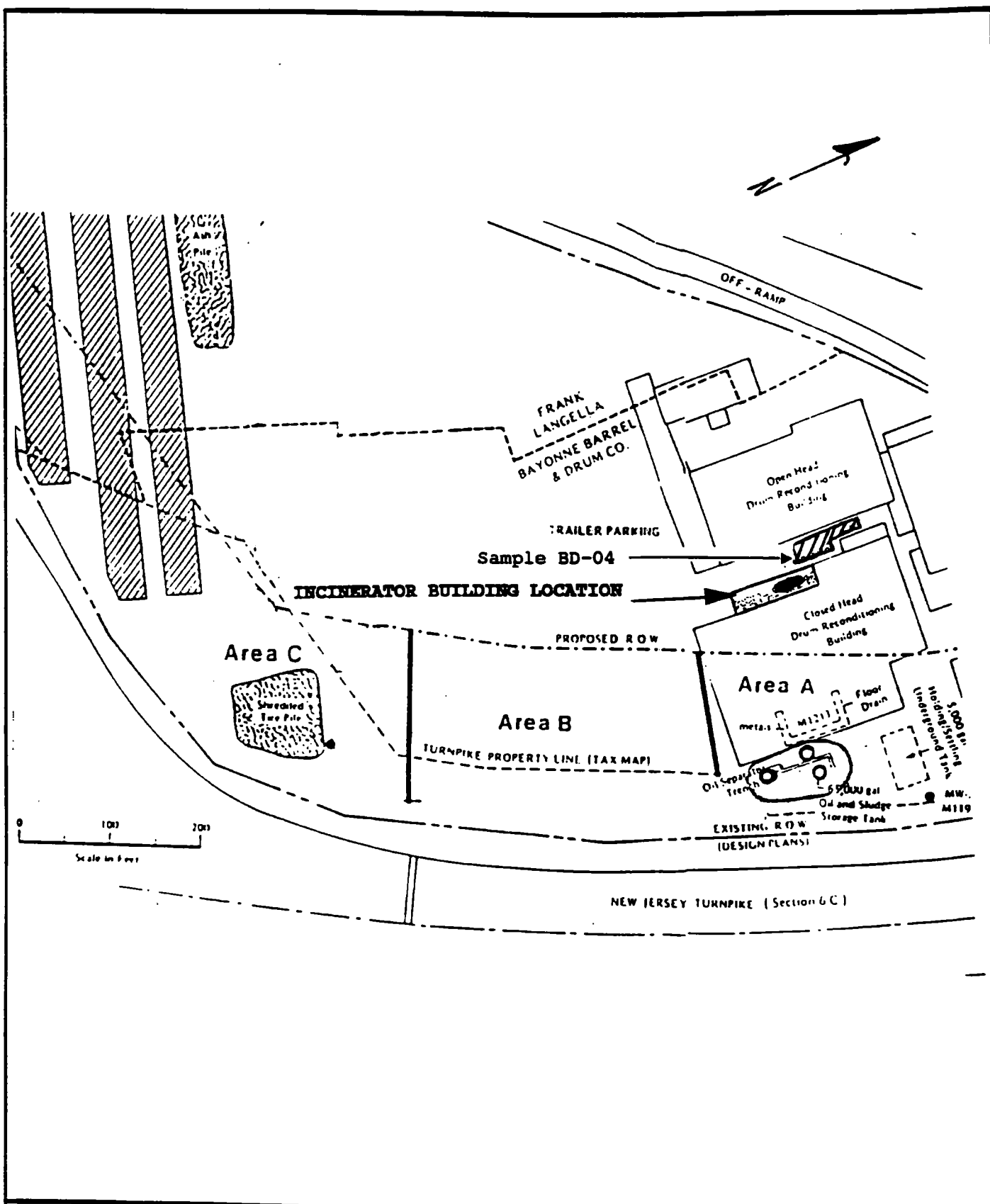
Tanks Locator

IN ASSOCIATION WITH FOSTER WHEELER CORP.,
 C.C JOHNSON & MALHOTRA, P.C., RESOURCE
 APPLICATIONS, INC. AND R.E. SARRIERA ASSOCIATES

TAT PM

V. Vicenty

Figure 2



Roy F. Weston, Inc.
MAJOR PROGRAMS DIVISION

EPA PM

N. Magriples

**Incinerator
 Building
 Locator**

IN ASSOCIATION WITH FOSTER WHEELER CORP.,
 C.C. JOHNSON & MALHOTRA, P.C., RESOURCE
 APPLICATIONS, INC. AND R.E. SARRIERA ASSOCIATES

TAT PM

V. Vicenty

Figure 3

TABLE 1

Sample Number	Conc./Type	Matrix	Analyses	Location	Shipping Date
BD-01	Low/Composite	Soil	Dioxin Furans	Incinerator Bldg.	11-20-91
BD-02	Low/Composite	Soil	Dioxin Furans	Duplicate of BD-01	11-20-91
BD-04	Low/Composite	Soil	Dioxin Furans	West of Incinerator Building	11-20-91
BD-03	Low/Rinsate	Liquid	Dioxin Furans	—	11-20-91
DJL647	PEM/Blind Blank	Soil	Dioxin Furans	—	11-20-91
QGQ263	PEM/0.6 ppb 2,3,7,8-TCDD	Soil	Dioxin Furans	—	11-20-91
AQM463	PEM/1-10 ppb 2,3,7,8-TCDD	Soil	Dioxin Furans	—	11-20-91
CXC723	PEM/Blank for spike	Soil	Dioxin Furans	—	11-20-91

TAT documented all site activities and conditions in a logbook.
All hazardous PPE and hazcatted samples were left on-site.

cc: TAT PM
TDD File

APPENDIX A

Air Monitoring Summary Log

Date: 11/13/91Data Collected by: V. Vicenty & P. DiPasca

Data to be summarized by a "Range of readings, i.e., - Low to High" and/or "Average" by location.

Station/Location	CGI/O ₂ Meter	Radiation Meter	PID/Probe	FID/OVA	Detector Tube
Parking Lot (Background)	0%/21%	0.2 mR/hr	0.5 units	1.0 ppm	
Tank 1		0.2 mR/hr	0.5 units	1.0 ppm	
Tank 2		0.2 mR/hr	0.5 units	1.0 ppm	
Tank 3		0.2 mR/hr	0.5 units	1.0 ppm	
Drum Yard	0%/21%	0.2 mR/hr	0.5 units		
Above drums open bung	0%/21%	0.2 mR/hr	100 units		
Oil Separator Trench 1"-2" above water level	0%/21%	0.2 mR/hr	0.5 units	2-3 ppm	

Summary/Comments:

APPENDIX B

[illegible]

APPENDIX C

Air Monitoring Summary Log

Date: 11/19/31

Data Collected by: V. VICENTY & H. MORADIA

Data to be summarized by a "Range of readings, i.e., - Low to High" and/or "Average" by location.

Station/Location	CGI/O ₂ Meter	Radiation Meter	PID/Probe	FID/OVA	Detector Tube
Parking Lot (Background)	0%/21%	0.2 mR/hr	0.8 units	1.0 ppm	
Drum Reconditioning Building	0%/21%	0.2 mR/hr	0.8 units	1.0 ppm	
Incinerator Building	0%/21%	0.2 mR/hr	0.8 units	1.0 ppm	

Summary/Comments:

APPENDIX D

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II
ENVIRONMENTAL SERVICES DIVISION
EDISON, NEW JERSEY 08817

T2

Name of Unit and Address:		USEPA Region 2		Nick Magriples 908-906-6930	
BB-1638					

Sample Number	Number of Containers	Description of Samples
BD 1	1x8oz	Low concentration - Soil for Dioxin & Furans
BD 2	↓	Low conc - Liquid for Dioxin & Furans (Rinsate)
BD 3		Low conc - Soil for Dioxin & Furans
BD 4		PE Sample
QTL647		PE Sample
Q6Q263	1x102	PE Sample
AQM463	1x102	PE Sample
EXC723	1x102	Blank for Spike (PE Sample)

Person Assuming Responsibility for Sample:				Time	Date
Victor Vicenty EPA/TAT-II				1300	1/17/91

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	Victor Vicenty				
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody

APPENDIX E

1318N

3745084618

SENDER'S COPY

SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER 1244-8646-7		Date 11/20/91	
From (Your Name) Please Print Victor Vicenty		Your Phone Number (Very Important) 908-225-6116	
Company ROY F WESTON INC		Department/Floor No.	
Street Address 1090 KING GEORGES POST RD #201		To (Recipient's Name) Please Print Joseph Pan	
City EDISON State NJ ZIP Required 08837		Recipient's Phone Number (Very Important) (512) 522-574	
City San Antonio State TX ZIP Required 78238		Department/Floor No.	
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.) 6220 Culebra Road			
YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.) 63001102 1638			
PAYMENT 1 <input type="checkbox"/> Bill Sender 2 <input type="checkbox"/> Bill Recipient's FedEx Acct. No. 3 <input type="checkbox"/> Bill 3rd Party FedEx Acct. No. 4 <input type="checkbox"/> Bill Credit Card		IF HOLD FOR PICK-UP, Print FEDEX Address Here Street Address City State ZIP Required	
5 <input type="checkbox"/> Cash/Check 6 <input type="checkbox"/> Acct./Credit Card No. 1545-8122-7 Exp. Date			
4 SERVICES (Check only one box)		5 DELIVERY AND SPECIAL HANDLING (Check services required)	
Priority Overnight (Delivery by next business morning) 11 <input checked="" type="checkbox"/> YOUR PACKAGING 16 <input type="checkbox"/> FEDEX LETTER 12 <input type="checkbox"/> FEDEX PAK 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE Economy Two-Day (Delivery by second business day) 30 <input type="checkbox"/> ECONOMY Standard Overnight (Delivery by next business afternoon) 51 <input type="checkbox"/> YOUR PACKAGING 56 <input type="checkbox"/> FEDEX LETTER 52 <input type="checkbox"/> FEDEX PAK 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE Government Overnight (Restricted to government use) 46 <input type="checkbox"/> GOVT LETTER 41 <input type="checkbox"/> GOVT PACKAGE Freight Service (For Extra Large or any package over 150 lbs) 70 <input type="checkbox"/> OVERNIGHT FREIGHT 80 <input type="checkbox"/> TWO-DAY FREIGHT		1 <input type="checkbox"/> HOLD FOR PICK-UP (Fill in Box 1) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> HOLIDAY DELIVERY (in observance) PACKAGES WEIGHT in Pounds Only YOUR DECLARED VALUE (See page) Total 1 25 Total	
SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY Use of this label constitutes your agreement to the service conditions in our current Service Guide, revisions upon request. See back of sender's copy of this label for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details. We will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss for a timely claim. Limitations found in the current Federal Express Service Guide apply. Your right to recover from Federal Express for any loss, including interest value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage, whether direct, incidental, consequential or special, is limited to the greater of \$100 or the declared value specified to the left. Recovery cannot exceed actual documented loss. The maximum Declared Value for FedEx Letter and FedEx Pak packages is \$100.00. In the event of untimely delivery, Federal Express will at your request and with some limitations, refund all transportation charges paid. See Service Guide for further information. Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom. Release Signature: [Signature] REVISION DATE 6/91 FORMAT #099 PRINTED IN USA			

DROP OFF YOUR PACKAGE AND SAVE